

Executive Summary Report

SMOG CHECK Statewide

January 2010

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	781,423	87,613	11.21%
Total	886,071	110,477	12.47%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	684,049	87.54%	97,374	12.46%
Total	762,296	86.03%	123,775	13.97%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	424,979	87.50%	60,721	12.50%
Total	475,588	86.64%	73,320	13.36%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	12,116	1.55%
All Emissions	41,811	5.35%
All Visual	10,541	1.35%
All Functional	58,193	7.45%
OBDII	36,868	4.72%
Overall	87,613	11.21%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	632,777	71,837	11.35%	9,745	1.54%
Partially Enhanced	38,863	4,973	12.80%	678	1.74%
Basic	67,650	6,822	10.08%	1,058	1.56%
Change of Ownership	4,558	615	13.49%	153	3.36%
No Program	1	0	0.00%	0	0.00%
Unknown Program	37,574	3,366	8.96%	482	1.28%
Total Program Area	781,423	87,613	11.21%	12,116	1.55%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	485,700	59,517	12.25%	8,685	1.79%
Regular	219,963	17,447	7.93%	1,938	0.88%
Basic Area Dealer	4,293	178	4.15%	18	0.42%
Gold Shield in Enhanced Area	53,986	8,112	15.03%	1,092	2.02%
Gold Shield in Basic Area	9,576	1,324	13.83%	210	2.19%
Gold Shield in COO Area	4,108	540	13.15%	116	2.82%
Business Fleet	6	1	16.67%	0	0.00%
Permanent Fleet Registered	17	1	5.88%	0	0.00%
Referee	469	247	52.67%	34	7.25%
Government Fleet	3,305	246	7.44%	23	0.70%
Total	781,423	87,613	11.21%	12,116	1.55%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	266,166	241,672
Directed Vehicles	219,534	183,307
Total	485,700	424,979

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	48,935	42,736
Directed Vehicles	18,735	14,422
Total	67,670	57,158

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1976	882	235	26.64%	18.03%	8.50%	15.08%	7.71%	0.00%
MY-1977	1,207	315	26.10%	15.58%	7.37%	17.48%	8.12%	0.00%
MY-1978	1,386	346	24.96%	17.39%	8.87%	14.29%	7.72%	0.00%
MY-1979	1,627	482	29.63%	20.77%	9.83%	18.99%	9.28%	0.00%
MY-1980	976	274	28.07%	20.39%	10.86%	16.91%	9.43%	0.00%
MY-1981	1,102	321	29.13%	22.78%	10.98%	15.34%	8.62%	0.00%
MY-1982	1,305	378	28.97%	22.07%	9.89%	14.64%	7.97%	0.00%
MY-1983	1,580	445	28.16%	21.39%	9.37%	15.44%	7.85%	0.00%
MY-1984	3,311	936	28.27%	22.35%	11.21%	14.83%	7.43%	0.00%
MY-1985	4,464	1,213	27.17%	21.55%	10.04%	14.65%	6.09%	0.00%
MY-1986	6,178	1,565	25.33%	18.87%	8.27%	14.42%	5.18%	0.00%
MY-1987	7,452	1,932	25.93%	20.18%	7.65%	12.95%	4.66%	0.00%
MY-1988	9,090	2,231	24.54%	18.51%	7.24%	12.83%	4.61%	0.00%
MY-1989	12,892	2,856	22.15%	16.17%	6.17%	11.90%	4.01%	0.00%
MY-1990	15,936	3,496	21.94%	16.45%	5.64%	11.24%	3.20%	0.00%
MY-1991	18,284	3,859	21.11%	15.42%	5.02%	10.62%	3.11%	0.00%
MY-1992	18,956	3,761	19.84%	14.87%	4.88%	9.41%	2.61%	0.00%
MY-1993	23,054	4,960	21.51%	16.80%	4.06%	9.40%	2.60%	0.00%
MY-1994	28,530	5,298	18.57%	13.61%	3.05%	8.30%	2.52%	0.00%
MY-1995	31,394	5,438	17.32%	12.38%	2.90%	7.71%	2.41%	0.00%
MY-1996	37,115	5,953	16.04%	6.76%	1.15%	11.29%	1.53%	10.55%
MY-1997	38,706	6,262	16.18%	6.28%	1.14%	11.96%	1.34%	11.24%
MY-1998	53,748	6,170	11.48%	3.93%	0.73%	8.60%	0.98%	8.25%
MY-1999	48,031	5,406	11.26%	2.83%	0.62%	9.22%	0.93%	8.86%
MY-2000	86,818	6,845	7.88%	1.57%	0.35%	6.63%	0.62%	6.42%
MY-2001	48,973	4,824	9.85%	1.38%	0.32%	8.76%	0.81%	8.56%
MY-2002	89,962	4,702	5.23%	0.55%	0.12%	4.60%	0.44%	4.48%
MY-2003	45,481	3,086	6.79%	0.91%	0.28%	6.07%	0.52%	5.92%
MY-2004	97,978	2,882	2.94%	0.28%	0.07%	2.63%	0.24%	2.50%
MY-2005	12,888	419	3.25%	0.43%	0.10%	2.79%	0.35%	2.67%
MY-2006	18,825	485	2.58%	0.25%	0.04%	2.28%	0.13%	2.19%
MY-2007	5,358	98	1.83%	0.22%	0.04%	1.70%	0.04%	1.57%
MY-2008	4,428	88	1.99%	0.20%	0.05%	1.90%	0.09%	1.81%
MY-2009	2,877	47	1.63%	0.07%	0.00%	1.60%	0.00%	1.49%
MY-2010	629	5	0.79%	0.16%	0.00%	0.64%	0.16%	0.64%
All Model Years	781,423	87,613	11.21%	5.35%	1.55%	7.45%	1.35%	4.72%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	384
Certificate of Non Compliance	1
Parts Cost	190
Hardship Extensions	0
Exempt Vehicle	8
Exempted by Directive	60
Parts Exemption	8
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	1
	652

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,140
Stations Locked-Out at Least Once	127
Stations Conducted at Least One Test	6,991

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,723	5,817
EA	Gas Endorsement	10	0
EB	Both Endorsement	47	0
EB	Gas Endorsement	483	0
EU	Both Endorsement	1	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	423,897	48.53	56,926	49.11	480,823	48.60
Test and Repair	143,758	46.88	73,726	46.69	217,484	46.82
Test and Repair Dealer	24	64.92	4,097	51.85	4,121	51.93
Referee	174	30.00	70	30.00	244	30.00
Gold Shield in Enhanced Area	46,607	48.51	7,245	49.67	53,852	48.67
Gold Shield in Basic Area	399	61.52	9,100	38.13	9,499	39.12
Gold Shield in COO Area	650	56.33	3,364	53.74	4,014	54.16

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	5,235	22.43	18,434	220.46
	\$51-150	4,677	100.99		
	\$151-250	2,888	199.30		
	\$251-450	3,302	338.16		
	Over \$450	2,332	764.20		
CAP Repairs	\$0-50	105	25.58	4,423	412.49
	\$51-150	179	109.91		
	\$151-250	371	209.63		
	\$251-450	1,417	357.37		
	Over \$450	2,351	518.04		
Total Repairs	\$0-50	4,145	22.85	19,268	305.61
	\$51-150	3,441	100.88		
	\$151-250	2,715	201.12		
	\$251-450	4,089	345.42		
	Over \$450	4,878	715.08		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,178	412.49

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	14	3	1	0	3	1	3	0
Acceleration Simulation Mode (ASM)	Basic	Referee	0	1	0	0	0	1	0	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	38	7	1	0	4	3	4	0
Acceleration Simulation Mode (ASM)	Basic	Test Only	44	3	0	1	0	2	2	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	285	47	2	0	17	23	26	4
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	505	80	7	1	33	36	50	8
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	34,460	6,435	849	336	2,666	3,115	4,216	838
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	81	3	1	50	26	58	1
Acceleration Simulation Mode (ASM)	Enhanced	Referee	134	115	22	45	39	58	69	67
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	104,299	8,238	704	441	4,954	2,718	6,255	862
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	350,261	51,781	7,588	2,785	19,587	27,882	32,892	6,122
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Basic Area	50	15	2	1	8	9	9	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	47	7	1	0	3	3	5	1
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	3,120	671	94	23	287	328	460	60
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	2	1	0	1	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Referee	8	7	1	5	1	2	2	7
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	16,133	2,315	297	110	878	1,165	1,458	250
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	11	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	10,149	1,650	244	83	584	893	1,008	192
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Basic Area	0	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,336	205	27	20	88	101	133	42
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	142	17	1	28	102	48	3

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	14	6	1	2	4	2	5	2
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	9,613	846	99	63	432	361	588	121
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	11,050	1,432	230	108	620	728	960	214
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	7,023	1,143	187	104	434	381	777	233
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	169	24	5	2	10	14	13	2
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	1,088	211	37	14	83	74	155	32
Two Speed Idle (TSI)	Basic	Referee	15	15	4	7	2	5	8	11
Two Speed Idle (TSI)	Basic	Test and Repair	40,186	4,213	632	233	1,678	1,405	3,031	522
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,004	139	15	6	59	32	107	16
Two Speed Idle (TSI)	Basic	Test Only	7,666	1,019	176	57	412	373	715	138
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	39	22	7	3	3	11	19	7
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,440	289	81	24	73	147	183	45
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	82	29	4	3	11	8	21	5
Two Speed Idle (TSI)	Change of Ownership	Referee	1	2	2	0	0	2	0	2
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,355	146	29	13	55	55	104	21
Two Speed Idle (TSI)	Change of Ownership	Test Only	796	116	30	9	30	51	74	24
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	344	33	3	2	16	10	22	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	475	45	7	5	20	14	34	7
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,618	491	71	21	289	121	395	54
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	11	1	0	5	5	6	0
Two Speed Idle (TSI)	Enhanced	Referee	30	14	3	9	3	5	4	12
Two Speed Idle (TSI)	Enhanced	Test and Repair	18,903	1,128	103	58	759	204	923	110
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	475	22	2	0	15	5	18	0
Two Speed Idle (TSI)	Enhanced	Test Only	40,630	3,208	380	153	1,988	806	2,474	290
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	44	4	0	0	2	1	3	1
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	307	33	4	1	14	11	26	2
Two Speed Idle (TSI)	Partial	Test and Repair	2,026	163	26	12	82	49	122	22
Two Speed Idle (TSI)	Partial	Test Only	1,098	93	7	5	65	18	74	6

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	339	53	9	7	26	16	38	11
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	749	87	15	6	29	33	61	13
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	337	25	5	3	11	12	16	4
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	6	1	0	2	3	3	0
Two Speed Idle (TSI)	Unknown Program	Referee	10	4	1	2	1	2	2	3
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,201	332	47	27	181	95	257	47
Two Speed Idle (TSI)	Unknown Program	Test Only	2,831	186	30	17	123	49	144	23
UnKnown TestType	Basic	Gold Shield in Basic Area	22	4	0	0	3	4	3	3
UnKnown TestType	Basic	Gold Shield in COO Area	8	1	0	0	1	1	1	0
UnKnown TestType	Basic	Gold Shield in Enhanced Area	6	3	0	0	1	3	1	2
UnKnown TestType	Basic	Government Fleet	0	0	0	0	0	5	0	0
UnKnown TestType	Basic	Referee	0	13	0	4	0	13	0	5
UnKnown TestType	Basic	Test and Repair	114	11	0	1	10	12	10	1
UnKnown TestType	Basic	Test and Repair Dealer	57	5	0	0	4	5	4	1
UnKnown TestType	Basic	Test Only	43	2	0	0	2	2	2	0
UnKnown TestType	Change of Ownership	Gold Shield in COO Area	35	5	0	2	2	5	2	3
UnKnown TestType	Change of Ownership	Gold Shield in Enhanced Area	3	1	0	0	1	1	1	0
UnKnown TestType	Change of Ownership	Test and Repair	40	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in Basic Area	14	1	0	0	0	2	0	1
UnKnown TestType	Enhanced	Gold Shield in COO Area	20	1	0	0	1	1	1	0
UnKnown TestType	Enhanced	Gold Shield in Enhanced Area	44	3	0	0	3	3	3	0
UnKnown TestType	Enhanced	Government Fleet	0	0	0	0	0	4	0	0
UnKnown TestType	Enhanced	Referee	4	49	0	19	0	49	4	25
UnKnown TestType	Enhanced	Test and Repair	452	32	0	7	23	38	23	10
UnKnown TestType	Enhanced	Test and Repair Dealer	33	1	0	0	0	1	0	1
UnKnown TestType	Enhanced	Test Only	261	19	0	2	17	27	17	2
UnKnown TestType	Partial	Gold Shield in Enhanced Area	5	1	0	0	1	1	1	0
UnKnown TestType	Partial	Referee	0	5	0	4	0	5	0	4
UnKnown TestType	Partial	Test and Repair	79	3	0	1	1	3	1	2

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
UnKnown TestType	Partial	Test Only	32	2	0	0	2	2	2	0
UnKnown TestType	Unknown Program	Gold Shield in COO Area	21	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Gold Shield in Enhanced Area	23	1	0	0	1	1	1	0
UnKnown TestType	Unknown Program	Government Fleet	0	0	0	0	0	2	0	0
UnKnown TestType	Unknown Program	Referee	2	16	0	5	2	16	2	7
UnKnown TestType	Unknown Program	Test and Repair	212	10	0	5	5	14	5	5
UnKnown TestType	Unknown Program	Test Only	91	5	0	0	5	10	5	1